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| <p style="text-align: center;">Search Notes</p>  | Application/Control No. 10546625 | Applicant(s)/Patent Under Reexamination HECKER ET AL. |
| | Examiner Peter D Nolan | Art Unit 4155 |

SEARCHED

| Class | Subclass | Date | Examiner |
|-------|-----------------------------------|-----------|----------|
| 702 | 127, 141, 142, 146, 173, 174, 175 | 8/27/2008 | PN |
| 73 | 488, 503, 510, 514.2 | 8/27/2008 | PN |
| 701 | 1, 45 | 8/27/2008 | PN |
| 303 | 121,132 | 8/27/2008 | PN |

SEARCH NOTES

| Search Notes | Date | Examiner |
|---|-----------|----------|
| Inventor search on PALM and EAST | 8/21/2008 | PN |
| Met with SPE to discuss case and classes | 8/25/2008 | PN |
| BRS search for mass/weight estimation for vehicles including force and acceleration | 8/25/2008 | PN |
| BRS searches for differentia\$3 with acceleration and force (too many hits b/c of differential in transmission) | 8/25/2008 | PN |
| BRS searches limiting above search to mass, then mass and vehicle, then mass or weight with vehicle. | 8/25/2008 | PN |
| BRS searches for differentia\$3 near3 acceleration or near2 force and with mass or weight near vehicle | 8/25/2008 | PN |
| BRS searches for derivative in the same sentence as acceleration and mass limited to pubs with vehicle | 8/25/2008 | PN |
| BRS searches for pubs with acceleration with time or change in time and force with time or change in time dealing with vehicles and with mass as a variable | 8/25/2008 | PN |
| BRS searches similar to previous search, but adding gradient or gravity as a term | 8/25/2008 | PN |
| BRS searches for publications dealing with detection/measurement/estimation of vehicle mass/weight where slope or gradient is a factor. | 8/25/2008 | PN |
| BRS searches limiting above search with acceleration and force | 8/25/2008 | PN |
| BRS searches for electronic stability control systems in order to determine applications that use mass as a variable. | 8/26/2008 | PN |
| Class searches (see class search notes) | 8/27/2008 | PN |
| BRS searches for microcontroller arithmetic functions. | 8/27/2008 | PN |
| NPL searches for microcontroller arithmetic efficiency. | 8/27/2008 | PN |
| NPL searches for high-pass filters design/theory | 8/27/2008 | PN |

/Peter D Nolan/
Examiner, Art Unit 4155

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| INTERFERENCE SEARCH | | | |
| Class | Subclass | Date | Examiner |
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| /Peter D Nolan/ Examiner,Art Unit 4155 | |
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